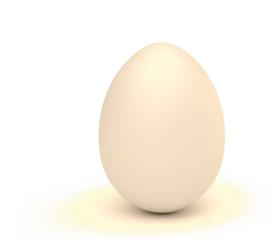


Inspirational best practice example on Food Safety and Environmental Pollutants: PFAS

Professor Anders Baun
Chairperson Danish Government's Taskforce for PFAS
Director, Danish PFAS Research Center





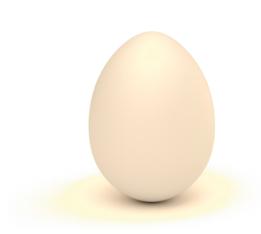






An egg a day





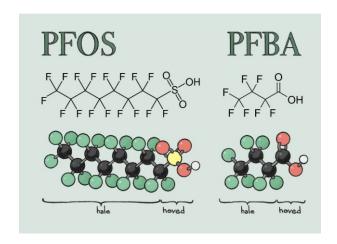


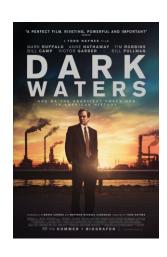
Keeps the doctor away?

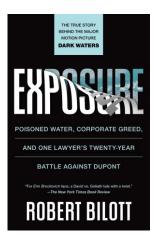
(if it's **PFAS** free)



PFAS?



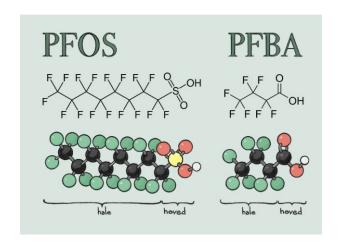


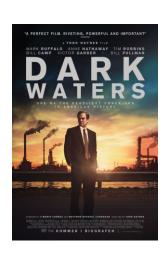


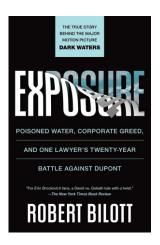


Per- and polyFluoroAlkyl Substances

PFAS?





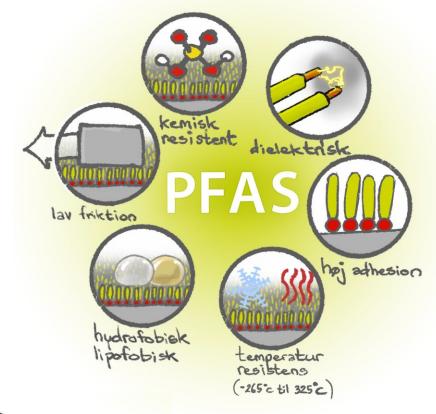




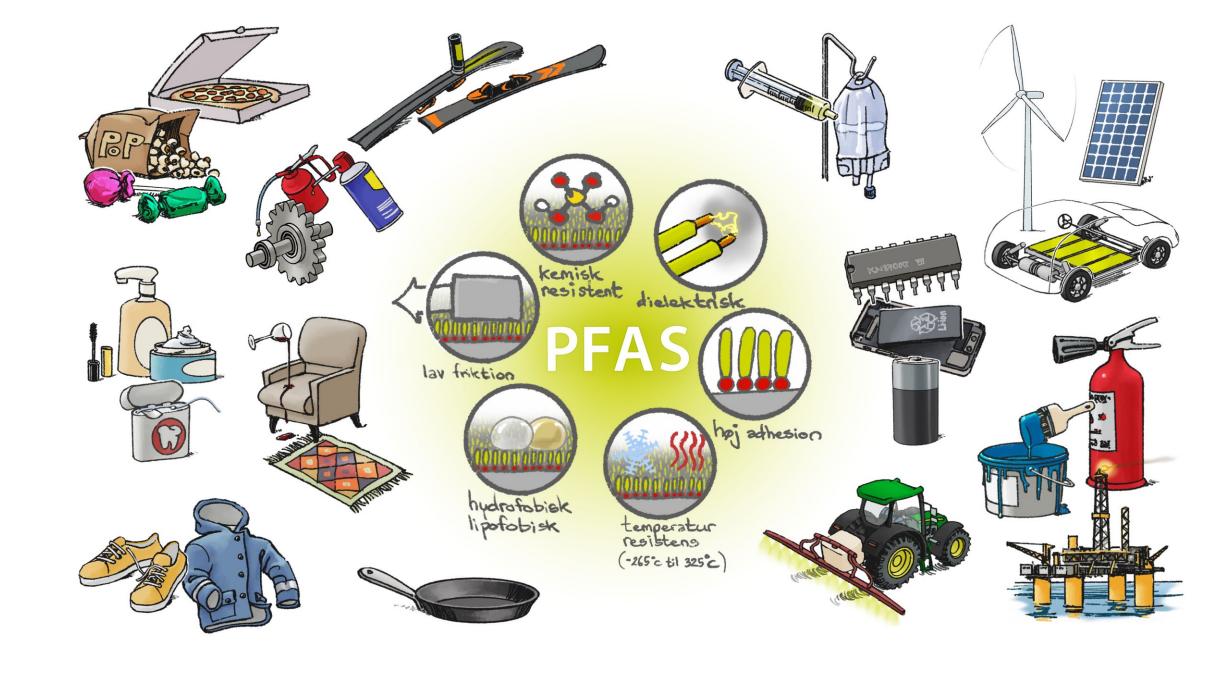
Health effects:

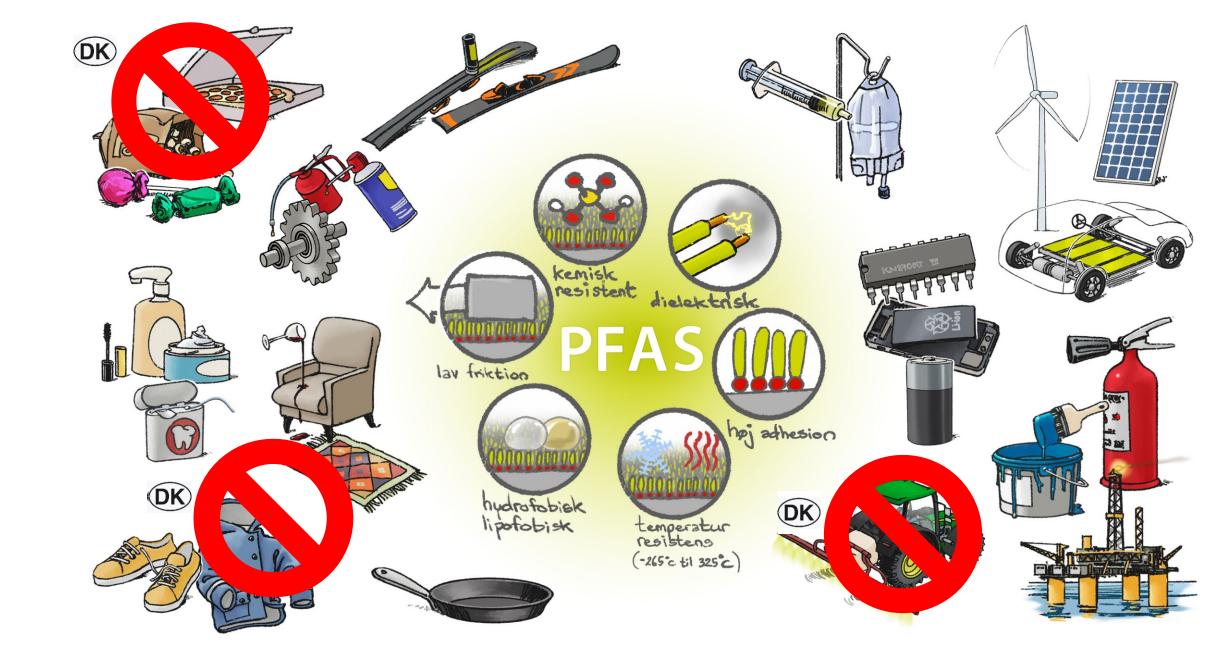
Cancer (kidney, testicular, prostate), cholesterol ↑, immune system↓







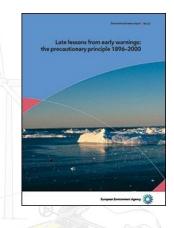




What went wrong? Find five errors:

Novel
Persistent
Bioaccumulative
Widespread use/mobile
Irreversible action (e.g. toxicity)

EEA (2001)



SEA Report | No

Late lessons from early warni science, precaution, innove



European Environment Agency

nature water

Perspective

https://doi.org/10.1038/s44221-023-00168

Late lessons from early warnings on PFAS

Received: 14 June 2023

Accepted: 3 November 2023

Steffen Foss Hansen @¹⊠, Carina Theresa Heller Bunde¹, Monika A. Roy ®², Joel A. Tickner² & Anders Baun¹

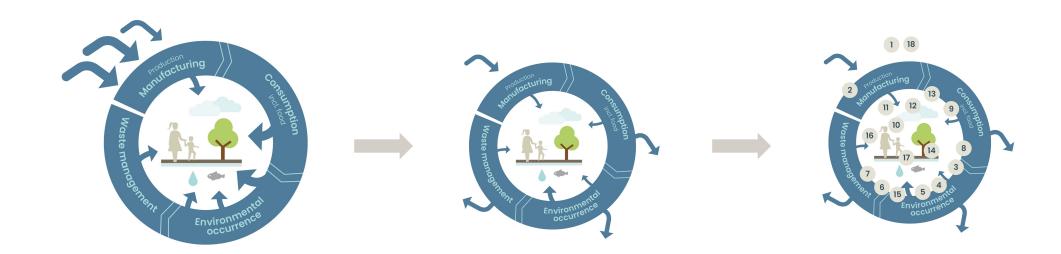
Danish Government's PFAS Taskforce: Limiting human and environmental exposure to PFAS in Denmark

Part 1: Identification of knowledge gaps

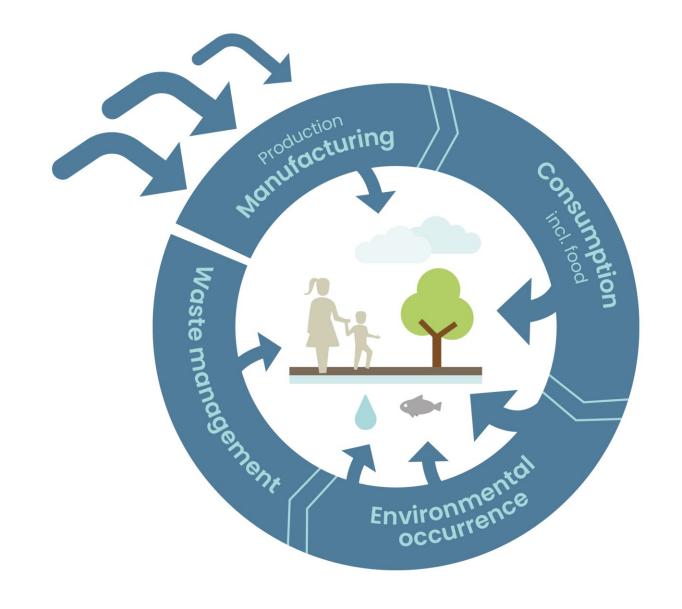
Part 2: Proposals for action options for knowledge building and management

2025 report

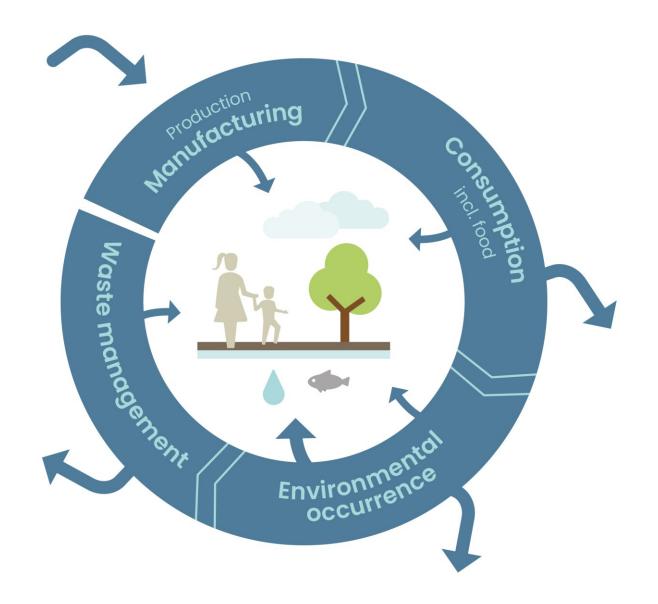
The aim of this report is to provide a knowledge base for the authorities' future focus and actions for reducing unacceptabale exposure of the Danish population and environment



















Category	Opportunity for action
Data overview	#1 Knowledge sharing
Options	#2 PFAS-free alternatives in technologies for the green transition
Mapping potential sources	#3 Possible sources of PFAS contamination in the marine environment
	#4 PFAS in residues and fertilizer products used on agricultural land
	#5 Emissions to outdoor air
Known sources	#6 PFAS contamination on contaminated sites
	#7 Wastewater and sewage sludge
Prevalence and exposure	#8 Mapping of the occurrence of PFAS in fish and marine products
	#9 Consumer Products and Exposure
	#10 A national continuous biomonitoring plan for blood levels of PFAS
	#11 Monitoring Strategy
Analysis strategy	#12 Methods of analysis
	#13 Control methods and strategy
Fate, distribution and transport in the environment	#14 Diffuse pollution and land use in the open country
	#15 Groundwater and drinking water
Toxicological effects	#16 Human exposure and toxicology – the short-chain PFAS
	#17 Toxicological and ecotoxicological effects of PFAS to support the setting of limit values
Risk communication	#18 Authorities' risk communication











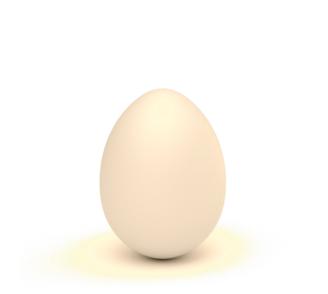




Environment Food and feed Health



PFAS in a One Health Perspective





The PFAS crisis presents the whole range of challenges (legal, organizational, cultural)





Thank you!

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